

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	64	(74/424.81).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:16
L2	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:16
L3	819	(74/89.23).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:16
L4	244	(74/424.71).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:16
L5	182	(74/424.92).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:17
L6	160	(74/424.86).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 10:17
L7	72	(1 or 2 or 3 or 4 or 5 or 6) ball nut cap (spring or bias\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/10 10:22
L8	1	("20030117037").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 11:21

L9	1	("4557156").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 11:25
L10	33	(74/424.85).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 13:02
L12	1	("3766798").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 13:30
L14	220	(1 or 2 or 3 or 4 or 5 or 6) ((shaft or screw or spindle) with material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/10 13:32
L15	83	(US-20080129133-\$ or US-20060238050-\$ or US-20060113933-\$ or US-20050264113-\$ or US-20050253469-\$ or US-20080072695-\$ or US-20020184853-\$ or US-20060005645-\$ or US-20050076733-\$ or US-20030066372-\$ or US-20020063014-\$ or US-20070107975-\$ or US-20050199435-\$ or US-20050159866-\$ or US-20040020317-\$ or US-20030201681-\$ or US-20020047460-\$ or US-20040211280-\$ or US-20060156844-\$ or US-20030051569-\$).did. or (US-6492753-\$ or US- 7385332-\$ or US- 7205693-\$ or US- 7239058-\$ or US- 7061152-\$ or US- 7042128-\$ or US- 5821710-\$ or US- 5723928-\$ or US- 6378646-\$ or US- 6202498-\$ or US- 6155376-\$ or US-	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2009/02/10 13:50

5988311-\$ or US-  
5975234-\$ or US-  
5921344-\$ or US-  
5590732-\$ or US-  
5086861-\$ or US-  
5083626-\$ or US-  
4828062-\$ or US-  
4742882-\$ or US-  
4588913-\$ or US-  
6531798-\$ or US-  
6794779-\$ or US-  
6603228-\$ or US-  
6941724-\$ or US-  
5313765-\$ or US-  
6991062-\$).did. or (US-  
3660704-\$ or US-  
4878004-\$ or US-  
7055646-\$ or US-  
6186268-\$ or US-  
6144137-\$ or US-  
6123167-\$ or US-  
4557156-\$ or US-  
5809838-\$ or US-  
6464034-\$ or US-  
7433767-\$ or US-  
7337689-\$ or US-  
7325646-\$ or US-  
7312545-\$ or US-  
7242128-\$ or US-  
7207235-\$ or US-  
7121379-\$ or US-  
6864605-\$ or US-  
6244374-\$ or US-  
6484599-\$ or US-  
6084326-\$ or US-  
7350434-\$ or US-  
6237434-\$ or US-  
4795172-\$ or US-  
4211125-\$ or US-  
3124969-\$ or US-  
2844044-\$ or US-  
6376958-\$).did. or (US-  
5091668-\$ or US-  
4604911-\$ or US-  
6874939-\$ or US-  
6092434-\$ or US-  
4841796-\$ or US-  
2924113-\$ or US-  
4415054-\$).did. or (US-  
3258983-\$).did. or (JP-  
2000177609-\$ or JP-  
03273841-\$).did.

L16	12	15 (magnet with gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/10 13:50
L17	641	(310/80).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 13:56
L18	1921	(310/83).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/10 13:56
L19	39	(17 or 18) (magnet with gap sleeve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/10 13:56
S1	19	("20030117037"   "4588913"   "4742882"   "4828062"   "4841790"   "4842090"   "4893518"   "5083626"   "5086861"   "5590732"   "5685391"   "5921344"   "5975234"   "5988311"   "6155376"   "6186268"   "6202498"   "6378646"   "6492753"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/01 13:27
S2	36	("0645247"   "0829975"   "1194645"   "3250976"   "3648090"   "4546293"   "4554472"   "4562367"   "4694213"   "4920295"   "5130592"   "5233254"   "5455473"   "5486730"   "5627419"   "5677605"   "5723928"   "5739664"   "5821710"   "5834874"   "5973428"   "6181048"   "6191513"   "6249069"   "6329736").PN. OR ("6492753").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/01 13:31

S3	36	("0645247"   "0829975"   "1194645"   "3250976"   "3648090"   "4546293"   "4554472"   "4562367"   "4694213"   "4920295"   "5130592"   "5233254"   "5455473"   "5486730"   "5627419"   "5677605"   "5723928"   "5739664"   "5821710"   "5834874"   "5973428"   "6181048"   "6191513"   "6249069"   "6329736").PN. OR ("6492753").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/01 13:33
S4	818	(74/89.23).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:05
S5	244	(74/424.71).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:10
S6	63	(74/424.81).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:10
S7	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:10
S8	118	(74/89.44).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:10
S9	33	(74/424.85).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:10
S10	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:11

S11	640	(310/80).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:12
S12	334	(S5 or S6 or S7 or S8 or S9 or S10 or S11) magnet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/01 15:13
S13	1	("4521707").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:31
S14	2	((("6067868") or ("4614128"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:31
S15	6	((("5130585") or ("6531798") or ("4040445") or ("6081051") or ("6223971") or ("5142172"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:33
S16	7	("5549015"   "5966988"). PN. OR ("6223971"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/01 15:38
S17	1919	(310/83).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 15:49
S18	240	(screw or actuator).ti. (magnet with sleeve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/01 15:49
S19	12	("20010017495"   "20010026103"   "20040046465"   "20040066103"   "6528913"   "6617719"   "6674196"   "6740999"   "6836038"   "6954015"   "6987338"   "7021973"). PN. OR ("7151333"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/01 16:16

S20	50	("3715865"   "3757487"   "3771283"   "3895478"   "3974884"   "4086747"   "4173104"   "4222215"   "4276734"   "4295320"   "4304611"   "4437289"   "4535583"   "4557029"   "4562685"   "4571920"   "4599846"   "4604853"   "4608806"   "4633646"   "4658565"   "4674264"   "4756137"   "4901504"   "4905447"   "5157897"   "5313765"   "5321935"   "5327697"   "5339597"   "5339600"   "5419094"   "5425402"   "5437139"   "5467527"   "5490369"   "5531057"   "5533608"   "5584161"   "5623806"   "5653564"   "5687552"   "5809742"   "5816029"   "5996311"   "6041571"   "6240678").PN. OR ("6941724").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/01 16:20
S22	48	((ball adj screw) or ballscrew).ti. magnet\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/01 16:24
S23	182	(74/424.92).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 16:25
S24	123	(74/89.34).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/01 16:27
S25	13	((ball adj screw) or (ballscrew)) (sleeve with laminat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 09:20

S26	19	("20030117037"   "4588913"   "4742882"   "4828062"   "4841790"   "4842090"   "4893518"   "5083626"   "5086861"   "5590732"   "5685391"   "5921344"   "5975234"   "5988311"   "6155376"   "6186268"   "6202498"   "6378646"   "6492753"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 09:45
S28	3	S26 (laminat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 09:45
S29	244	(74/424.71).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S30	63	(74/424.81).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S31	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S32	118	(74/89.44).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S33	33	(74/424.85).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S34	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52



S35	640	(310/80).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/02 09:52
S36	95	(S29 or S30 or S31 or S32 or S33 or S34 or S35) (shaft with (return or recirculate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 09:52
S38	110	((ball adj screw) or (ballscrew)).ti. (cap (return or recirculat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 10:01
S40	17	("3156133"   "3176535"   "4364282"   "4859394"   "4924722"   "5284219"   "5388475"   "6082210"   "6192585").PN. OR ("6454042").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/02 10:11
S43	155	((ball adj screw) or (ballscrew) or actuator) (cap (return or recirculat \$4)) wip\$3 preload	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 10:19
S44	36	((ball adj screw) or (ballscrew)) (cap (return or recirculat\$4)) wip\$3 preload\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/02 10:25
S45	16	("4557156"   "4666014"   "4694925"   "4773497"   "4811813"   "4887682"   "5975234"   "5998311"   "6123167"   "6144137"   "RE32222").PN. OR ("6378646").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/03 13:32
S46	18	("4593780"   "4735271"   "4754829"   "4765426"   "4771845"   "4784234"   "4819170"   "4825972"   "4837692"   "4841790"   "5482128"   "5711396"   "5921344"   "5957236"   "6129171"   "6155376"   "6186268"   "6378646").PN. OR ("7055646").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/03 13:34

S47	40	("2895343"   "2936645"   "2978920"   "3156133"   "3393575"   "3393576"   "3393577"   "3851541"   "4000664"   "4148226"   "4438986").PN. OR ("4557156").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/03 13:43
S48	1176	steering.ti. (ball or bearing or rolling) (screw or shaft) magnet\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/03 14:04
S49	85	S48 ((sleeve or collar) with (magnet\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/03 14:06
S50	442	S48 nut	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/03 14:27
S51	2	("5934144"   "6354395"). PN. OR ("7377194"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/03 15:54
S52	23	("4666014"   "4735271"   "4800974"   "4918744"   "5299649"   "5437349"   "5555951"   "5573079"   "5650701"   "5904224"   "5908457"   "5921344"   "5971094"   "5988311"   "6000491"   "6006854"   "6026924"   "6041885"   "6082483"   "6123167").PN. OR ("6244374").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/03 16:21
S53	85	(ball adj nut) spring (wip \$3 or seal\$3 or scrap\$3) (end adj cap) return	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/05 13:47
S54	14	(ballscrew or (ball adj screw)).ti. cap (wip\$3 or seal\$3 or scrap\$3) spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/05 14:07

S55	1	(ballscrew or (ball adj screw)) (return adj cap) (wip\$3 or seal\$3 or scrap \$3) preload\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/05 14:11
S56	63	(74/424.81).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/05 14:17
S57	244	(74/424.71).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/05 14:21
S58	24	(ball adj nut) with (return cap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/05 14:30
S59	232	(74/424.82).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/05 14:37
S60	35	magnet with (sleeve near3 laminat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2009/02/09 14:03
S62	20	("3258983"   "3851541"   "4211125"   "4286793"   "4557156"   "4604911"   "4612817"   "4677869").PN. OR ("4795172").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/02/09 15:12
S63	159	(74/424.86).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/09 15:32

2/ 10/ 2009 2:33:53 PM

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